

## **California Occupational Projections 2004-2014**

Occupational projections forecast California's total employment to reach approximately 19 million by 2014. For the first time, this ten-year forecast includes five components of employment, rather than just non-farm wage and salary employment. The four additional employment components are the Self-Employed, Unpaid Family Workers, Private Household Workers, and those employed on farms. Developing employment projections for this spectrum of employment provides a more complete picture of total employment in California. Non-farm wage and salary employment represents 89 percent and the other categories comprise the additional 11 percent.

While some occupational groups were well represented by the non-farm wage and salary employment component in prior projections, others have been underrepresented. For example, 30 percent of the workers in Arts, Design, Entertainment, Sports, and Media Occupations are self-employed. Of the workers employed in Building and Grounds Cleaning and Maintenance Occupations, 77 percent are non-farm wage and salaried, the remaining 23 percent are either self-employed or working in private households. Finally, the workers in Farming, Fishing, and Forestry Occupations are the most underrepresented in the non-farm wage and salary category, with only nine percent of total employment. The remaining 91 percent of these workers are employed primarily on farms, with some self-employed or unpaid family members.

The occupational projections now include the total employment concept for each occupation or occupational category, and overall, for the ten-year forecast period, 2004-2014, California is expected to generate:

- Over 2.6 million new jobs from industry growth,
- Nearly 4 million job openings from Net Replacements\*,
- A combined total of almost 6.5 million job openings.

\* Net Replacements measure the number of workers needed to replace those that have left the labor force or have changed occupations.

While there is employment opportunity for individual workers regardless of their level of education and training, the number of jobs available in each category varies greatly as can be seen in the chart California Average Annual Job Openings by Education and Training Level 2004-2014. While the majority of occupations with the most job openings require only on-the-job training, others require education and training beyond high school, and are projected to have over 2.3 million job openings during the ten-year period.

The top **50 occupations with the most job openings** will generate over half of all job openings in California during the 2004-2014 period. These occupations are expected to:

- Generate over 3.4 million total job openings.
- Pay median hourly wages and require training ranging from:
  - Over \$8.00 an hour with short-term on-the-job training for Retail Salespersons, Combined Food Preparation and Serving Workers, Cashiers, Waiters and Waitresses, and Laborers and Freight, Stock, and Material Movers, Hand, to
  - Over \$40.00 an hour with a bachelor's degree or higher for Computer Software Engineers and General and Operation Managers.

The top ten occupations with the most job openings will provide over 1.4 million job opportunities, approximately 500,000 due to job growth and another 900,000 due to replacement need. Job opportunities are available in lower-skilled occupations including Retail Salespersons, Cashiers, and Waiters and Waitresses as well as higher-skilled occupations such as Registered Nurses, General and Operations Managers, and Elementary School Teachers. Chart, California Top Ten Occupations with the Most Job Openings 2004-2014, illustrates the total job opportunity for each occupation broken out by new jobs and replacement need.

The **50 fastest growing occupations** are each expected to grow at a rate of 25 percent or more over the ten-year period 2004-2014. These occupations vary widely from health and safety to education, construction and computer related fields, among others. Examples of pay and training required for these occupations are:

- Over \$9.00 an hour for Crossing Guards, Home Health Aides, and Hand Cutters and Trimmers, requiring short-term on-the-job training,
- Over \$20.00 an hour for Fire Fighters and Heating, Air Conditioning and Refrigeration Mechanics and Installers requiring long-term on-the-job training,
- Over \$30.00 an hour for Registered Nurses and Dental Hygienists requiring an associate's degree, and
- Over \$40.00 an hour for Computer Software Engineers, Sales Engineers, and Computer and Information Systems Managers requiring a bachelor's degree or higher.

The ten fastest growing occupations are computer or health care related, with one exception, Gaming Dealers. These occupations are growing at rates ranging from 37 to 59 percent over the ten-year period, but represent only about 190,000 total job

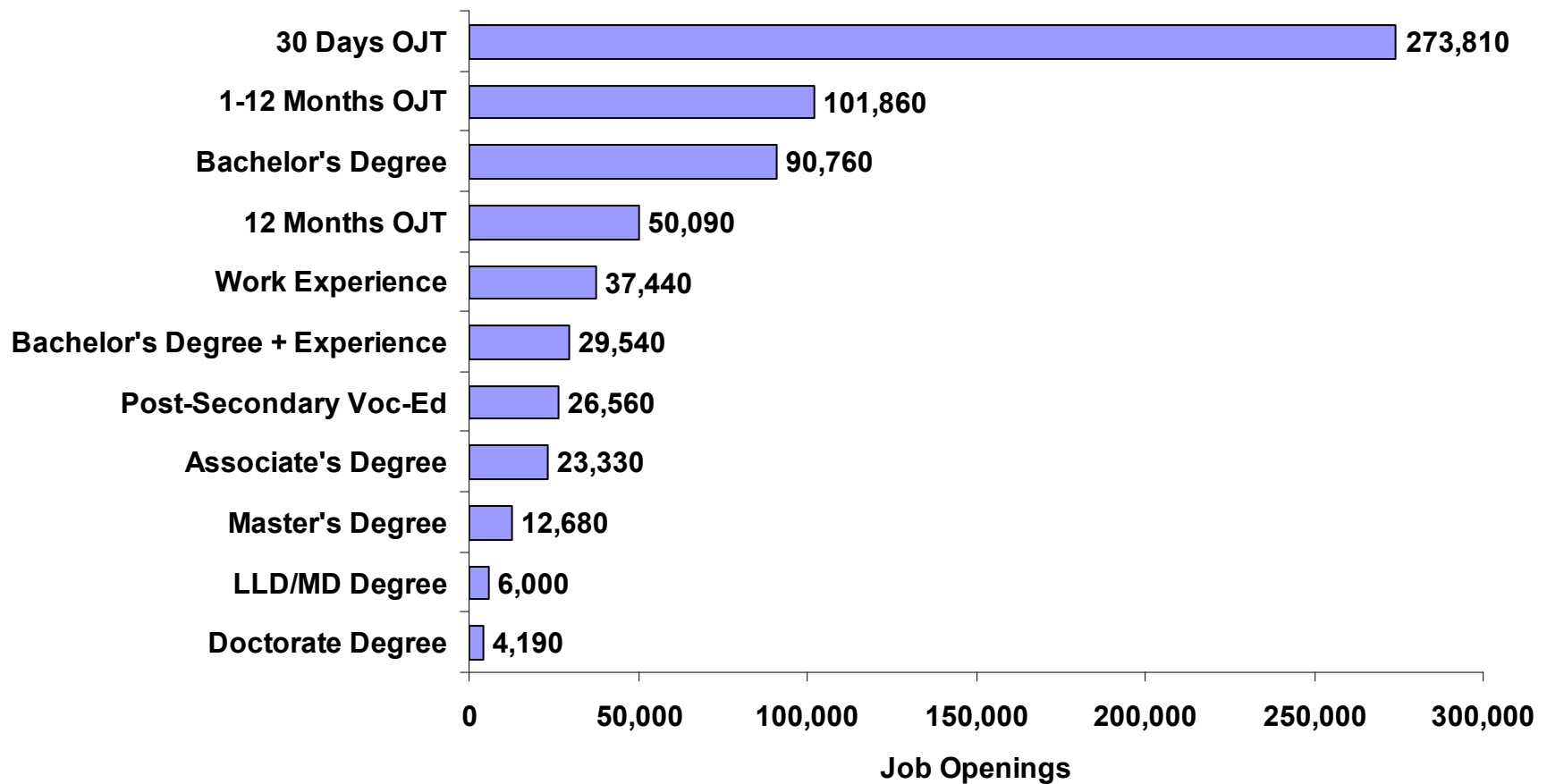
opportunities. Most of this job opportunity is due to growth, however there are some replacement opportunities. The majority of these occupations pay a high wage and require an associate's degree or higher. Others such as Home Health Aides, Dental Assistants and Gaming Dealers do not require college degrees and pay considerably less, as can be seen in the chart [California Ten Fastest Growing Occupations 2004-2014](#).

The complete [Occupational Employment Projections](#) are available on-line.

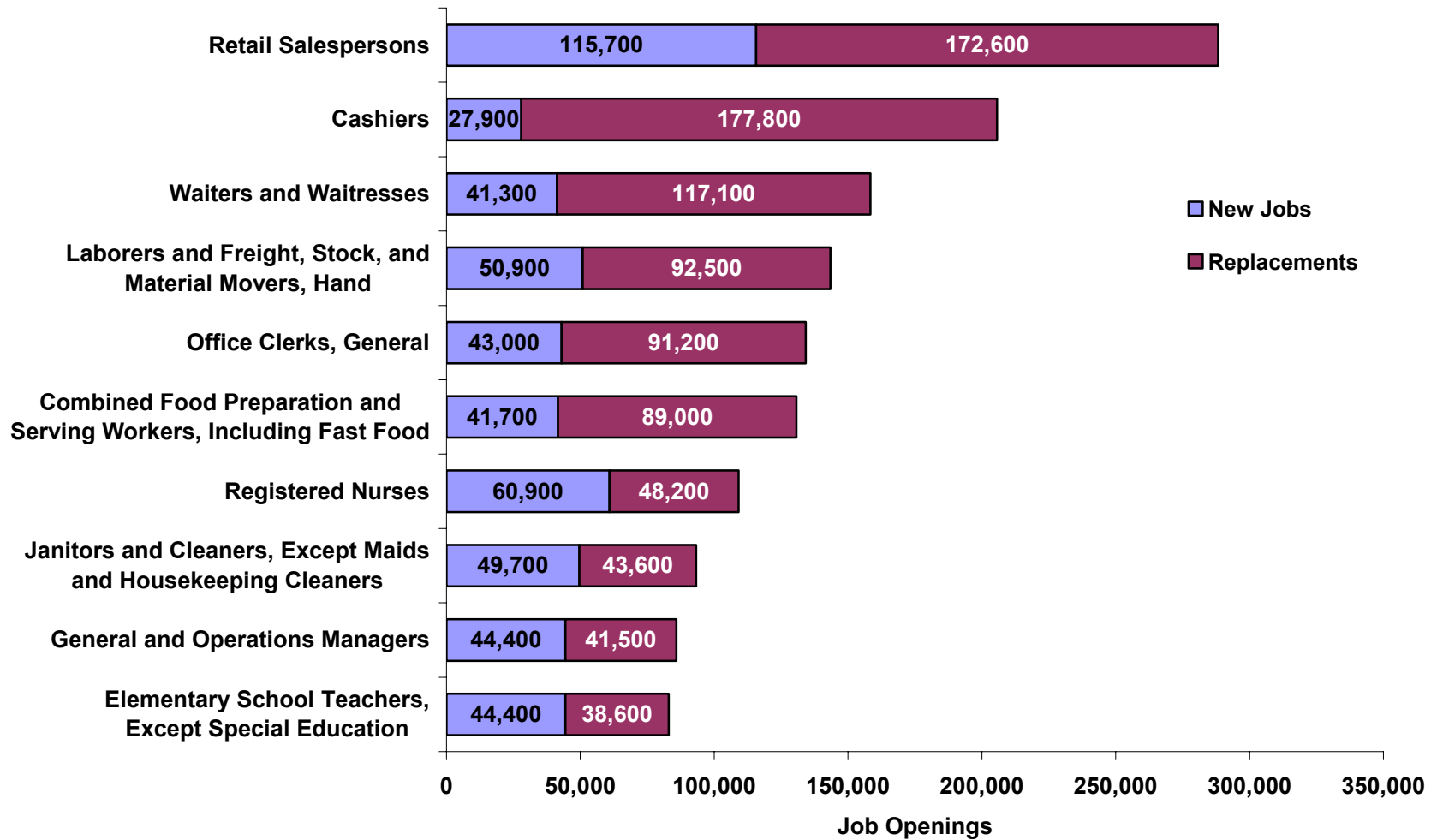
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**California**  
**Average Annual Job Openings by Education and Training**  
**Level**  
**2004-2014**



**California**  
**Top Ten Occupations with the Most Job Openings**  
**2004-2014**



**California  
Ten Fastest Growing Occupations  
2004 Employment More Than 5,000  
2004-2014**

